

Work Order ID 77609

77609

Page 1


December-13-11 4:24:48 PM

Item ID: D3564-5 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Wearshoe
 Start Date: 13/12/2011 Start Qty: 12.00 ***12*** Cust Item ID:
 Required Date: 05/01/2012 Req'd Qty: 12.00 ***12*** Customer:
 Reference:

Approvals: Process Plan: M.L.J Date: 11/12/13 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3564	Rev D								

100 FLOW WATER JET 0.00
100
 Waterjet Memo 0.00
 FLOW CNC Waterjet 1-Cut as per Dwg D3564 Dwg Rev: D Prog Rev: D 2-
304 . 062 Deburr if necessary

Bil-12-22


110 QC2- Inspect parts off machine FAI/FAIB 0.00
110
 QC Memo 0.00
 Quality Control

Bil-12-22

120 QC8- Inspect parts - second check 0.00
120
 QC Memo 0.00
 Quality Control

Sum 12/22

+12

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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NOTE: Date & initial all entries

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Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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130	NC BRAKE	0.00							
130									
Brake NC	Memo	0.00							
Brake NC	Deburr if necessary Form on Brake as per Dwg D3564 using Jigs DT8179 and DT8155 Form Joggle as per Dwg D3564 on brake using Jig DT8157								

140	QC5- Inspect part completeness to step on W/O	0.00							
140									
QC	Memo	0.00							
Quality Control	Ensure joggle as per dwg D3429								

150	Grey Sandtex(Ref:4.3.5.6) per QSI005 4.3	0.00							
150									
Powdercoat	Memo	0.00							
Powder Coating	START TIME: _____ FINISH TIME: _____ OVEN TEMPERATURE: _____								

m 118489

3200F

9:30

12X4 m-12/01/07

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Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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160	QC3- Inspect Part Finish	0.00							
160									
QC	Memo	0.00				(12)	(12)	12-01-07	
Quality Control									

170	Identify as per dwg & Stock Location: <u>P.L.</u>	0.00							
170									
Packaging	Memo	0.00				12	12	12-1-9	
Packaging									

180	QC21- Final Inspection - Work Order Release	0.00							
180									
QC	Memo	0.00							
Quality Control									

MF
12-01-09

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Picklist Print

December-13-11 4:24:51 PM

Page 1

Work Order ID: 77609

77609

Parent Item: D3564-5

D3564-5

Parent Item Name: Wearshoe

Start Date: 13/12/2011

Required Date: 05/01/2012

Start Qty: 12.00

Required Qty: 12.00

Comments:

IPP Rev:A New Issue 07-03-08 ec
IPP Rev:B As per Rev C 07-07-09 JLM
IPP Rev:C As per Rev D 07-09-09 JLM Verified By:EC
IPP Rev D added DT# 08.04.21 DD Verified by EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304S16GA		Purchased	No			100	sf	150.8300	1.5	18.94737			

M304S16GA

304/316 Sheet .063

**

1811-12-22

Location

Loc Qty

Loc Code

MAT020

150.83

119653

150.83

119653

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DART AEROSPACE LTD		Work Order: 77609
Description: Wearshoe		Part Number: D3564-5
Inspection Dwg: D3564	Rev: D	Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

☒ First Article ☐ Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
43.50	+/-0.030	43.50	✓		T Bui	
6.75	+/-0.030	6.75	✓		T	
10.00	+/-0.030	10.00	✓		T	
20.00	+/-0.030	20.00	✓		T	
30.00	+/-0.030	30.00	✓		T	
2.50	+/-0.030	2.50	✓		V Bui	
3.227	+/-0.010	3.224	✓		V	
38.500	+/-0.010	38.500	✓		T	
5.500	+/-0.010	5.500	✓		T	
2.50	+/-0.030	2.50	✓		V	
2.432	+/-0.010	2.440	✓		V	
0.300 x 0.300	+/-0.010	306 x 304	✓		V	
Ø0.188	+0.005/-0.001	Ø0.192	✓		V	
R0.375	+/-0.010	0.375	✓		R.G.	
0.063	+/-0.010	0.059	✓		V	

Measured by: RB
Date: 11-12-20

Audited by: S
Date: 11/12/22

Prototype Approval:	N/A
Date:	N/A

Rev	Date	Change	Revised by	Approved
A	08.01.16	New Issue	KJ/EC/DD	DD

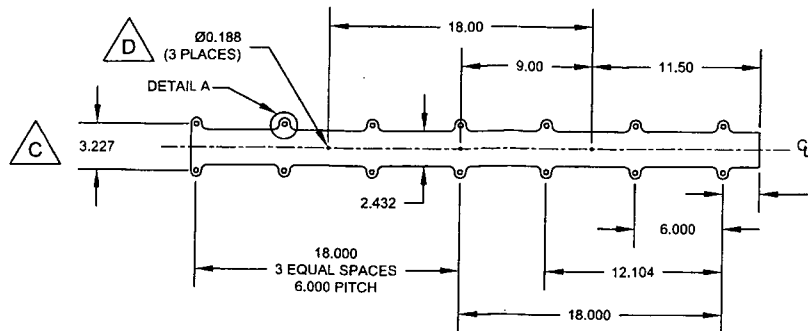
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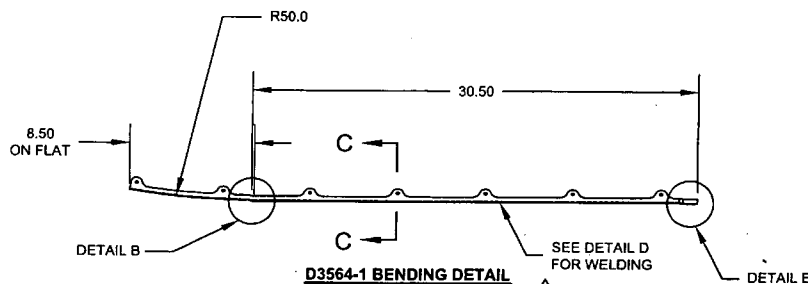
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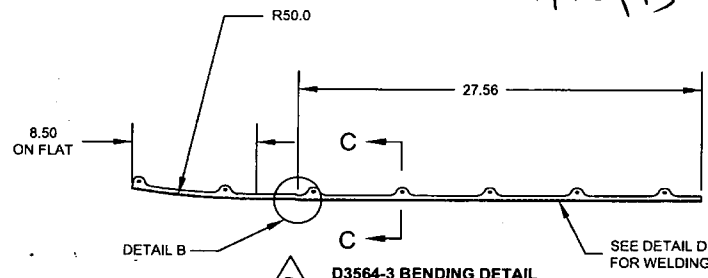
NOTE: Date & initial all entries



D3564-1F FLAT PATTERN



D3564-1 BENDING DETAIL
(MAKE FROM D3564-1F)



D3564-3 BENDING DETAIL
(MAKE FROM D3564-1F)

D3564-1/-3/-5/-7/-9/-11/-13/-15 WEARPLATE NOTES:

- 1) MATERIAL: AISI 304/316 SS SHEET PER AMS 5513 OR AMS 5524, 16 GAUGE (0.063 THICK)
(REF DART MATERIAL SPEC M304S16GA)
- 2) FINISH: POWDER COAT GREY SANDEX (REF 4.3.5.6) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.015 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: SEE TABLE IN ZONE A3
- 8) WELD PER DART QSI 004
- 9) SEE PG 3 FOR SECTIONS AND DETAILS
- 10) PARTS ARE SYMMETRIC ABOUT C

WEIGHTS:

D3564-1	1.85 lbs
D3564-3	1.85 lbs
D3564-5	1.93 lbs
D3564-7	1.26 lbs
D3564-9	1.85 lbs
D3564-11	1.85 lbs
D3564-13	0.38 lbs
D3564-15	0.80 lbs

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER

NO. 77609 M.C.J

RELEASED

07.09.04

UNDER REVIEW

11/10/04
Frisch change
OK 11/11/04

D	UPDATE DRAWING TEMPLATE; CHANGE ALL (TYP X PLS) TO (X PLACES); PG1 A8; UPDATE NOTES; PG1 A8, PG3 B5,C5; ADD D3564-15; PG1 B6,B3; D3564-1/-3 WAS ONE FIGURE; PG2 A7,A3; D3564-9/-11 WAS ON PG1; PG3 B8,C8; D3564-13 WAS ON PG2; PG3 D2; WELDING DETAIL WAS ON PG1 PG3 A5,7,B2; RELOCATE DETAILS AND SECTION; PG3 A5,7,B2; INCREASE DETAIL AND SECTION SIZE	CB	07.08.21
C	MOVE TAB OUTBOARD, DETAIL A	PH	07.04.17
B	ADD AMS 5513 AND AMS 5524	PH	07.03.20
A	NEW ISSUE	PH	06.12.18
REV.	DESCRIPTION	BY	DATE
DESIGN	PH		
DRAWN	CB		
CHECKED	PH		
MFG. APPR.	PH		
APPROVED	PH		
DE APPR.	PH		
DATE	07.08.21		
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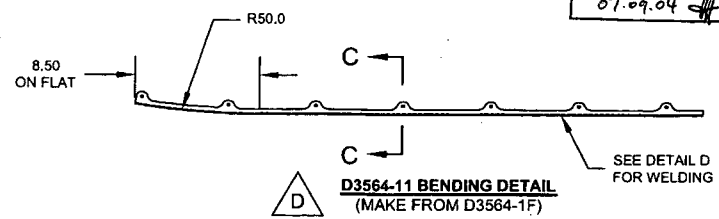
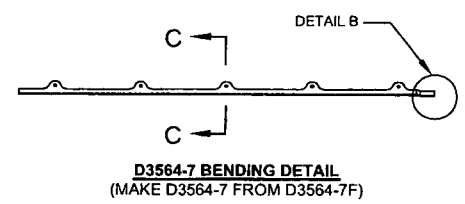
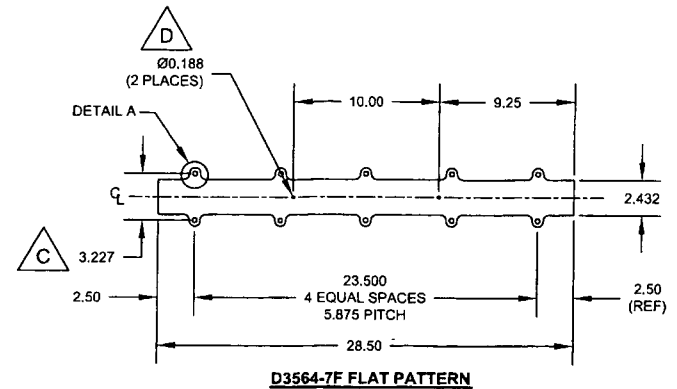
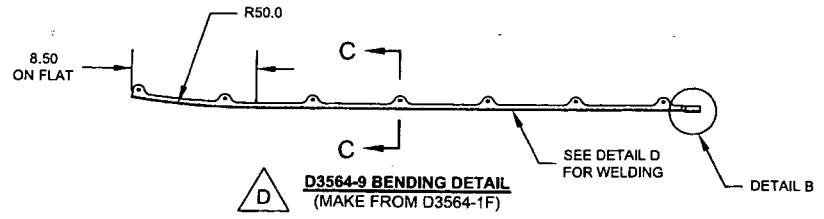
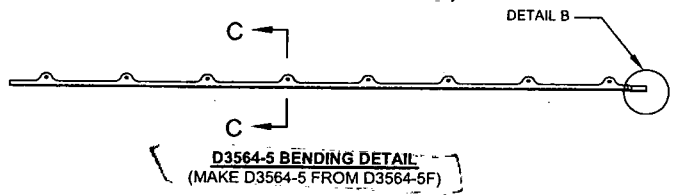
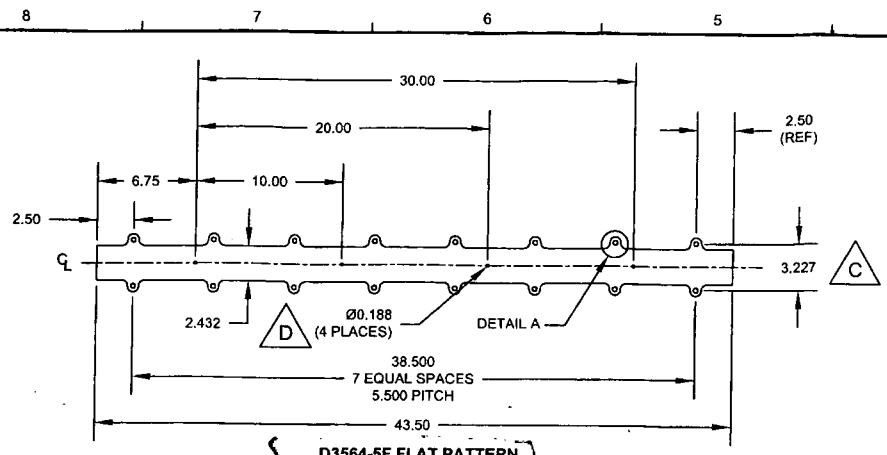
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NOTE: Date & initial all entries

77609



UNDER REVIEW
OK 11.11.28

RELEASED
07.09.04

DESIGN	PH	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	CB		
CHECKED	PH	DRAWING NO.	REV. D
MFG. APPR.	PH	D3564	SHEET 2 OF 3
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DE APPR.	PH	WEARSHOE	1:8
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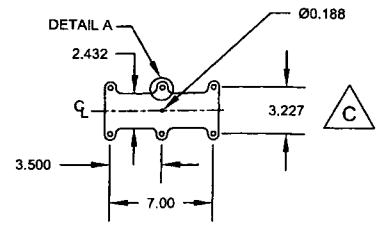
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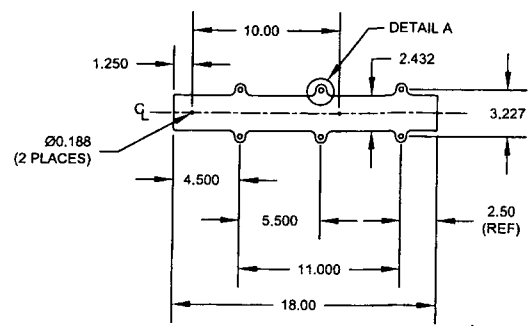
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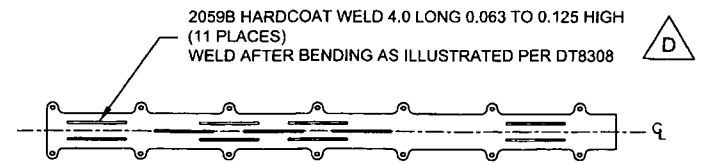
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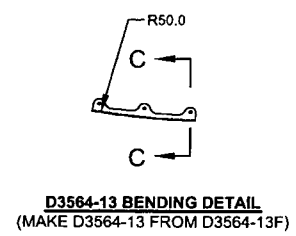
D3564-13F FLAT PATTERN



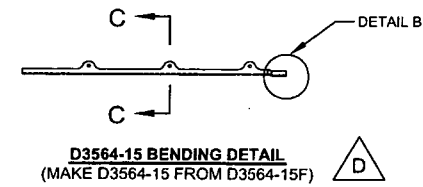
D3564-15F FLAT PATTERN



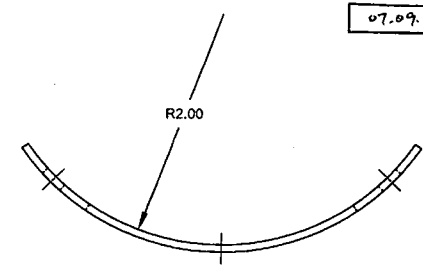
DETAIL D
(D3564-1/-3/-9/-11 WELDING DETAIL)



D3564-13 BENDING DETAIL
(MAKE D3564-13 FROM D3564-13F)



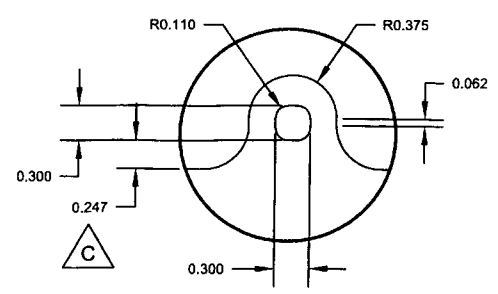
D3564-15 BENDING DETAIL
(MAKE D3564-15 FROM D3564-15F)



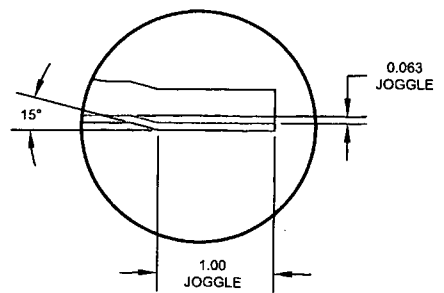
SECTION C-C
SCALE 1:1

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07.09.04

UNDER REVIEW
OK 07.11.28



DETAIL A
SCALE 1:1



DETAIL B
SCALE 1:1

DESIGN	PH	DART AEROSPACE LTD	
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